

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A conductive belt ~~comprising~~ comprising:

~~[[a]] an electroconductive base layer electroconductive and made of a resin[[],]];~~
~~an ionic-conductive intermediate layer ionic-conductive and made of an elastomer, elastomer; and~~
a surface coating layer,

wherein a tensile modulus of elasticity of said base layer is set to not less than 500 Mpa, and a volume electric resistance value thereof is ~~adjusted to~~ not less than $10^6 \Omega \cdot \text{cm}$ nor more than $10^{11} \Omega \cdot \text{cm}$ by ~~adding an electroconductive agent to said resin;~~
and

~~said intermediate layer to be is~~ formed on an upper surface of said base layer ~~layer, has a JIS A hardness less than 70, a thickness not less than 50 μm nor more than 600 μm , and a volume electric resistance value not less than $10^8 \Omega \cdot \text{cm}$ nor more than $10^{14} \Omega \cdot \text{cm}$.~~

2. (Currently Amended) The conductive belt according to claim 1, wherein said intermediate layer is composed of a polyurethane elastomer ~~formed by hardening a isocyanate terminated prepolymer obtained from containing a polyol containing polypropylene glycol or/and a hydroxyl-terminated liquid rubber moiety as a main component thereof and an aromatic moiety diisocyanate with aromatic diamine or/and a polyol moiety, and~~

~~said surface coating layer is made of a rubber, an elastomer, or a resin.~~

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3. (Currently Amended) The conductive belt according to claim 2, wherein said ~~isocyanate terminated prepolymer is formed by mixing a reactant of polyurethane elastomer contains the polypropylene glycol and aromatic diisocyanate with a reactant of polyol containing a hydroxyl-terminated liquid rubber moiety as [[a]] the main component thereof and said aromatic diisocyanate moiety.~~

4. (Currently Amended) The conductive belt according to claim 1, wherein a thickness of said base layer is ~~set to~~ not less than 20 μm nor more than 400 μm ; and said surface coating layer is non-electroconductive, has a thickness of not less than 1 μm nor more than 50 μm ; and a volume electric resistance value of not less than $10^{10}\Omega\cdot\text{cm}$ nor more than $10^{15}\Omega\cdot\text{cm}$.

5. (Currently Amended) The conductive belt according to claim 1, wherein ~~an electroconductivity is auxiliarily imparted to said ionic conductive intermediate layer further contains an electroconductive agent so that the intermediate layer ionic-conductive and made of said elastomer by adding an electroconductive agent to said elastomer has electroconductivity.~~

~~supposing wherein that a volume electric resistance value of said intermediate layer to which said electroconductivity is auxiliarily imparted is indicated by R at a voltage of 500V, a temperature of 23 °C, and a relative humidity of 55%; a volume electric resistance value of said intermediate layer not containing said electroconductive~~

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agent is indicated by R1 at the voltage of 500V, the temperature of 23 °C, and the relative humidity of 55%; and $\text{Log}(R)-\text{Log}(R1)=\text{Log}(R2)$,

said electroconductive agent is ~~auxiliarily added to~~ contained in said elastomer in a condition of $0.1 \leq \text{Log}(R2) \leq 5$.

6. (Original) The conductive belt according to claim 1, wherein said intermediate layer contains a reactive flame-retardant compound.

7. (Currently Amended) The conductive belt according to claim 1, wherein said conductive belt is ~~formed as~~ a seamless belt that is used as an intermediate transfer belt of a copying apparatus, a printer, [[and]] or a facsimile.

8. (Original) The conductive belt according to claim 1, wherein said base layer is composed of a centrifugally molded seamless belt substrate; said intermediate layer is formed on a surface of said base layer by applying a material to said surface of said base layer and hardening said material; and said surface coating layer is formed on a surface of said intermediate layer by applying a material to said surface of said intermediate layer and hardening said material.

9. (Original) The conductive belt according to claim 1, wherein said base layer is composed of a seamless belt substrate by applying said seamless belt substrate by a

dispenser and drying and hardening said seamless belt substrate while said seamless belt substrate is being rotated; said intermediate layer is formed by applying a material to a surface of said base layer by said dispenser and drying and hardening said material while said material is being rotated; and said surface coating layer is formed on a surface of said intermediate layer by applying a material to said surface of said intermediate layer and hardening said material.

10. (New) The conductive belt according to claim 1, wherein said tensile modulus of elasticity of the base layer is not less than 1000 MPa.

11. (New) The conductive belt according to claim 1, wherein said thickness of the intermediate layer is 100 to 400 μm .

12. (New) The conductive belt according to claim 1, wherein a thickness of the base layer is 50 to 300 μm .

13. (New) The conductive belt according to claim 1, wherein a thickness of the surface coating layer is 3 to 30 μm .